Is Your Rig prepared?

The remote controlled Snubbing Unit

CSU-160

The new Snubbing Era
The remote controlled

The **CSU-160 Unit** belongs to the **latest generation** of completely remote controlled rig assist Snubbing Units.

**Advantages**
- Easy fit on most jack-up rigs.
- Minimal non-productive time when encountering pressurized well conditions — the CSU can take over anytime.
- Cost saving because rig can continue work without waiting on snubbing equipment.
- Full integration in the rig system
- Safe way of dealing with pressurized well conditions.
- Free drill floor — no equipment required on drill floor.
- No changes to the jack-up rig needed.
- Rig is prepared for all scenarios.

**Technical Data**
- Max. pull capacity: 800 kN / 180 000 lbs
- Max. push capacity: 600 kN / 135 000 lbs
- Through bore: 203 mm (8 inch)

**Technical Characteristics**
- Completely remote controlled from rig control cabin.
- Integrated back-up system to keep control over the unit at all times.
- Siemens control software with integrated safety systems complete with slip and BOP interlocks.
- No impact on rig safety system and other rig systems.
- Easy, flexible and simple to use.
- Installation inside rotary tables > 49.5” ID.
- Conventional level drill floor when the jack is scoped in.
- No equipment needed on drill floor — free space.
- Compatible to both manual and automatic rigs.
- Automatic suspension system to allow movement between jack-up rig and wellhead.
- Adjustable in height — different BOP stack heights possible.
- Unit specially prepared for the offshore environment.
- Electric-hydraulic 265 kW Powerpack.
- Allows for the RCD element to be changed out when the unit is rigged-up.
- Containerized Zone 2 Purged Control Unit.
- Small crew.

It is designed to extend the capabilities of conventional and automatic rigs to allow safe working on pressurized wells.
Certification

- Unit completely certified by Bureau Veritas.
- CE-marking
- ATEX 95
- DNV standards for offshore containers
- Norsok
- API
- EN (European Standards)
We perform best under pressure!
From live well Snubbing to dead well Hydraulic Workover, we are able to deliver and manage the entire package, from wireline to well control and engineering – no job too rough or too tough! We are proud of our distinguished operational performance and long track record of success with major companies providing:

- Well redevelopment projects
- Milling/Fishing/Well clean outs
- Sand screen deployment
- WL/TC Perforation
- Production-/Well Integrity Logging
- Pipe/Casing cutting
- Wellhead change-outs
- Abandonments
- UB/OB (casing) drilling
- Underbalance- (UB) Well deepening/Liner installation
- Velocity string installation
- ESP/Safety valve installation and change-outs
- Well clean outs and other services
- Completion Services

Together we are strong!
Our enduring strength is our commitment to achieving the highest possible industry standards for Quality, Health, Safety and Environmental protection. By continuously developing best-in-class practices we provide clients with the best quality services.

Our equipment conforms to all regulatory requirements of the geographical areas in which we work in today – and we have plans for tomorrow.

We do not compromise!
The right way, the safe way, 24 hours a day around the globe.